**This circular will be sent regularly to all who apply for it.**

# United States Department of Agriculture,

WASHINGTON, D. C., *March 31, 1915.*

## MONTHLY LIST OF PUBLICATIONS.

[MARCH, 1915.]

**No publications are sold by the Department of Agriculture; therefore do not send money to this office.**

**Copies of any of the publications listed herein, except the Journal of Agricultural Research, Experiment Station Record, and publications of the Weather Bureau, may be obtained free upon application to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.**

**When this department's supply is exhausted, publications can be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase only, and at the prices noted herein.**

**Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.**

### COUPON SYSTEM REESTABLISHED.

For the convenience of the general public, coupons that are good until used in exchange for Government publications sold by the Superintendent of Documents may be purchased from his office in sets of 20 for $1.

### REPORTS.

Classification of the Cryphalinæ, with Descriptions of New Genera and Species. By A. D. Hopkins, Ph. D., In Charge of Forest Insect Investigations. Pp. 75, pls. 4, fig. 1. Contribution from the Bureau of Entomology. Mar. 10, 1915. (Report No. 99, Office of the Secretary.) Price, 15 cents.

This is a technical report of interest o entomologists generally.

The Woolly Apple Aphis. By A. C. Baker, Entomological Assistant, Deciduous Fruit Insect Investigations. Pp. 56, pls. 15, figs. 3. Contribution from the Bureau of Entomology. Mar. 31, 1915. (Report No. 101, Office of the Secretary.) Price. 20 cents.

A description of the life history and habits of the woolly aphis, technical in character, and of interest to entomologists.

Farm Women: Social and Labor Needs of Farm Women. Pp. 100. Compiled in the Office of Information. Feb. 17, 1915. (Report No. 103, Office of the Secretary.) Price, 15 cents.

*Same.* Domestic Needs of Farm Women. Compiled in the Office of Information. Mar. 18, 1915. (Report No. 104, Office of the Secretary.) Price, 15 cents.

*Same.* Educational Needs of Farm Women. Pp. 88. Compiled in the Office of Information. Mar. 22, 1915. (Report No. 105, Office of the Secretary.) Price, 15 cents.

*Same.* Economic Needs of Farm Women. Pp. 100. Compiled in the Office of Information. Mar. 24, 1915. (Report No. 106, Office of the Secretary.) Price, 15 cents.

NOTE.—Reports Nos. 103, 104, 105, and 106 contain extracts from letters received from farm women in response to an inquiry "How the United States Department of Agriculture can better meet the needs of farm housewives," with special reference to the provisions of instruction and practical demonstrations in home economics under the act of May 8, 1914, providing for cooperative agricultural extension work, etc.

### SERIALS.

Journal of Agricultural Research. Vol. 3, No. 6. March, 1915. Contents: Net Energy Values of Feeding Stuffs for Cattle. By Henry Prentiss Armsby and J. August Fries.—Air and Wind Dissemination of Ascospores of the Chestnut-Blight Fungus. By F. D. Heald, M. W. Gardner, and R. A. Studhalter.—Index and Contents of Volume III. Pp. 435-534+i-xiii, figs. 5. Price, 25 cents.

NOTE.—THE JOURNAL OF AGRICULTURAL RESEARCH will be distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being $2.50 per year, 12 numbers.

Experiment Station Record, Vol. XXXII, No. 3, Abstract Number. E. W. Allen, Ph. D., Editor. Pp. 201–300. Price, 15 cents.

*Same*, Vol. XXXII, No. 4, March, 1915. Pp. 301–400. Price, 15 cents.

The record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, 10 numbers each, at $1 a volume.

SERVICE AND REGULATORY ANNOUNCEMENTS.

These contain *only* information, instructions, and notices governing the enforcement of the pure food and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at 5 cents per copy.

Bureau of Animal Industry. February, 1915. No. 94. Pp. 21–28. Mar. 23, 1915.

Federal Horticultural Board. February, 1915. No. 13. Pp. 7–8. Mar. 23, 1915.

Office of Markets. Pp. 1–6. No. 3. Mar. 2, 1915.

Index to Service and Regulatory Announcements of the Bureau of Chemistry issued in 1914. Pp. 757–764. Mar. 25, 1915.

SOIL SURVEYS.

Soil Survey of Stark County, Ohio. By Charles N. Mooney, of the United States Department of Agriculture, and H. Foley Tuttle and A. Bonazzi, of the Ohio Agricultural Experiment Station. Pp. 39, fig. 1, map. (From F. O. Soils, 1913.) Price, 15 cents.

Reconnoissance Soil Survey of Ohio. By George N. Coffey, of the Ohio Agricultural Experiment Station, Thomas D. Rice, of the U. S. Department of Agriculture, and party. Pp. 134, pls. 8, maps 3 in colors, figs. 3. (From F. O. Soils, 1912.) Price 25 cents.

BULLETINS.

The Use of Bacillus Bulgaricus in Starters for Making Swiss or Emmental Cheese. By C. F. Doane and E. E. Eldredge, of the Dairy Division. Pp. 16, pl. 1. Contribution from the Bureau of Animal Industry. Mar. 22, 1915. (Department Bulletin 148.) Price, 5 cents.

This bulletin reports experimental work showing how to control undesirable fermentations and thus to provide a remedy for the most serious troubles which occur in making Swiss or Emmental cheese. It is of interest chiefly to manufacturers of that type of cheese.

The Varieties of Plums Derived From Native American Species. By W. F. Wight, Botanist, Office of Horticultural and Pomological Investigations. Pp. 44. Contribution from the Bureau of Plant Industry. (Professional Paper.) Mar. 13, 1915. (Department Bulletin 172.) Price, 5 cents.

This bulletin is of general interest, but especially to horticulturists engaged in studying varieties or doing work in plum breeding.

Group Classification and Varietal Descriptions of Some American Potatoes. By William Stuart, Horticulturist. Pp. 56, pls. 17. Contribution from the Bureau of Plant Industry. (Professional Paper.) Mar. 27, 1915. (Department Bulletin 176.) Price, 20 cents.

This bulletin is of value to plant breeders and potato specialists in all sections of the country.

Cooperative Organization Business Methods. By W. H. Kerr, Investigator in Market Business Practice, and G. A. Nashtoll, Assistant in Cooperative Organization Accounting. Pp. 24. Contribution from the Office of Markets and Rural Organization. Mar. 1, 1915. (Department Bulletin 178.) Price, 5 cents.

This is the first of a series of bulletins which will deal with the business methods of cooperative agricultural marketing organizations, and it covers matters of general interest to all forms of these organizations. It has been prepared to meet the demands for data relating to their business requirements and it contains somewhat elementary but necessary discussions on subjects connected with cooperative organizations. It is of value and importance to persons unfamiliar with the organization and work of cooperative associations.

The Importance of Thick Seeding in the Production of Milo in the San Antonio Region. By Stephen H. Hastings, Farm Superintendent. Pp. 21, figs. 9. Contribution from the Bureau of Plant Industry. Mar. 15, 1915. (Department Bulletin 188.) Price, 5 cents.

Gives results of experiments made at the San Antonio Experiment Farm which show that grain sorghum can be made a very satisfactory grain crop for that region if proper varieties are grown and the necessary cultural methods are followed.

Demurrage Information for Farmers. By G. C. White, Transportation Specialist. Pp. 27. Contribution from the Office of Markets and Rural Organization. Mar. 19, 1915. (Department Bulletin 191.) Price, 5 cents.

This bulletin, while intended especially for farmers and shippers of farm products, should be of interest to shippers of all commodities and to transportation men generally throughout the entire United States.

Homemade Lime-Sulphur Concentrate. By E. W. Scott, Entomological Assistant, Deciduous Fruit Insect Investigations. Pp. 6. Contribution from the Bureau of Entomology. Mar. 31, 1915. (Department Bulletin 197.) Price 5 cents.

Describes experiments in making lime-sulphur concentrates and gives the most satisfactory formulas. Of interest to all practicing spraying in insecticide work.

### Farmers' Bulletins.

The Hessian Fly. By F. M. Webster, In Charge of Cereal and Forage Insect Investigations. Pp. 20, figs. 17. Contribution from the Bureau of Entomology. Mar. 17, 1915. (Farmers' Bulletin 640.)

This bulletin is of interest in all the grain-growing sections of the United States. It is a revision of Circular No. 70 of the Bureau of Entomology.

The Home Garden in the South. By H. C. Thompson, Horticulturist, Office of Horticultural and Pomological Investigations. Pp. 28, figs. 8. Contribution from the Bureau of Plant Industry. Mar. 20, 1915. (Farmers' Bulletin 647.)

This bulletin is intended to encourage the growing of fresh vegetables for the farmer's table; it is suitable for distribution throughout the South.

The San Jose Scale and Its Control. By A. L. Quaintance, In Charge of Deciduous Fruit Insect Investigations. Pp. 27, figs. 17. Contribution from the Bureau of Entomology. Mar. 30, 1915. (Farmers' Bulletin 650.)

This bulletin is of interest to fruit growers generally.

Cockroaches. By C. L. Marlatt, Entomologist. Pp. 15, figs. 5. Contribution from the Bureau of Entomology. Mar. 27, 1915. (Farmers' Bulletin 658.)

This bulletin is of special interest to housekeepers throughout the United States. It is a revision of Circular No. 51 of the Bureau of Entomology, United States Department of Agriculture.

The Agricultural Outlook. Contribution from the Bureau of Crop Estimates. Mar. 20, 1915. Pp. 28. (Farmers' Bulletin 665.)

*Contents:* Stocks of grain on farms.—Wheat supplies.—Spring wheat production, by varieties.—Florida and California crop report.—The Hawaiian sugar crop.—International Institute crop report.—Trend of prices of farm products.—Stocks of wool in manufacturers' hands.—Time of transit to England through Panama Canal.—Countries prohibiting cereal exports.—Wages of farm labor.—Farm labor employment service.—Apples in cold storage.—Stocks of cereals and aggregate value per acre of crop production (tables).—Aggregate value per acre of crops, by States, 1909–1914.—Farm wages (tables).—Prices of farm products (tables).

### Publications of the Weather Bureau.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Report of Chief of Weather Bureau, 1913–14. [Administrative report, fiscal year 1914, with meteorological tables, calendar year 1913.] 1915. [4 pts.] 256 p. 4 p. of maps. 4°. Price, 60 cents, cloth.

National Weather and Crop Bulletin, No. 3, March, 1915, reporting temperature, rainfall, and crop conditions throughout the United States. (Issued weekly, on Tuesday, April to October; monthly remainder of year.) Price, 25 cents a year.

Snow and Ice Bulletins for March 2, 9, 16, 23, 30. These bulletins are issued weekly during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Price, 25 cents a year.

Jos. A. Arnold,
*Editor and Chief Division of Publications.*

---

## SPECIAL NOTICE.

The Superintendent of Documents, Government Printing Office, has on hand, for sale only, "Outline Maps of the United States by Counties," 1913 edition, price, 10 cents. Send remittances for same to that official direct and not to this office.

WASHINGTON : GOVERNMENT PRINTING OFFICE : 1915

UNIVERSITY OF FLORIDA
3 1262 08853 1370